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TITLE: DETA RECORDING MEDIUM AND OPTICAL DATA  
RECORDING METHOD

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FUJI PHOTO FILM CO LTD

COUNTRY

N/A

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INT-CL (IPC): B41M005/26, G11B007/24

US-CL-CURRENT: 428/411.1, 428/913

ABSTRACT:

PURPOSE: To enhance a C/N ratio and reflectivity by providing a recording layer composed of a mixture of a cyanine dye having a specific indolenine skeletal and a dye having the absorption max. on the side of a wavelength shorter than the absorption max. wavelength of the cyanine dye on a substrate and providing a reflecting layer composed of a metal thereon.

CONSTITUTION: A recording layer composed of a mixture of a cyanine dye having an indolenine skeletal represented by formula (I) (wherein R<SP>1</SP>, R<SP>2</SP> and R<SP>3</SP> are respectively independently an alkyl group which

*Abstract only*

may have a 1-8C substituent, a phenyl group or a benzyl group,  
X<SP>p-</SP> is  
an anion and p is 1 or 2) and a dye having the absorption max. on the  
side of a  
wavelength shorter than the absorption max. wavelength of the cyanine  
dye is  
provided on a substrate and a reflecting layer composed of a metal is  
further  
provided on the recording layer. The recording layer is irradiated  
with laser  
beam on the side of the substrate while this data recording medium is  
rotated  
to record data.

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# PATENT ABSTRACTS OF JAPAN

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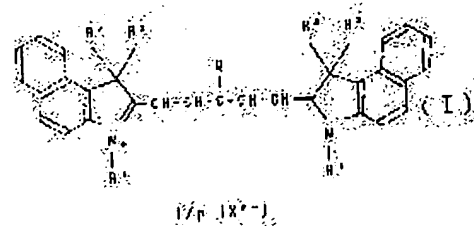
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## (54) DETA RECORDING MEDIUM AND OPTICAL DATA RECORDING METHOD

(57)Abstract:

PURPOSE: To enhance a C/N ratio and reflectivity by providing a recording layer composed of a mixture of a cyanine dye having a specific indolenine skeletal and a dye having the absorption max. on the side of a wavelength shorter than the absorption max. wavelength of the cyanine dye on a substrate and providing a reflecting layer composed of a metal thereon.

CONSTITUTION: A recording layer composed of a mixture of a cyanine dye having an indolenine skeletal represented by formula (I) (wherein R1, R2 and R3 are respectively independently an alkyl group which may have a 1-8C substituent, a phenyl group or a benzyl group, Xp- is an anion and p is 1 or 2) and a dye having the absorption max. on the side of a wavelength shorter than the absorption max. wavelength of the cyanine dye is provided on a substrate and a reflecting layer composed of a metal is further provided on the recording layer. The recording layer is irradiated with laser beam on the side of the substrate while this data recording medium is rotated to record data.



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## LEGAL STATUS

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